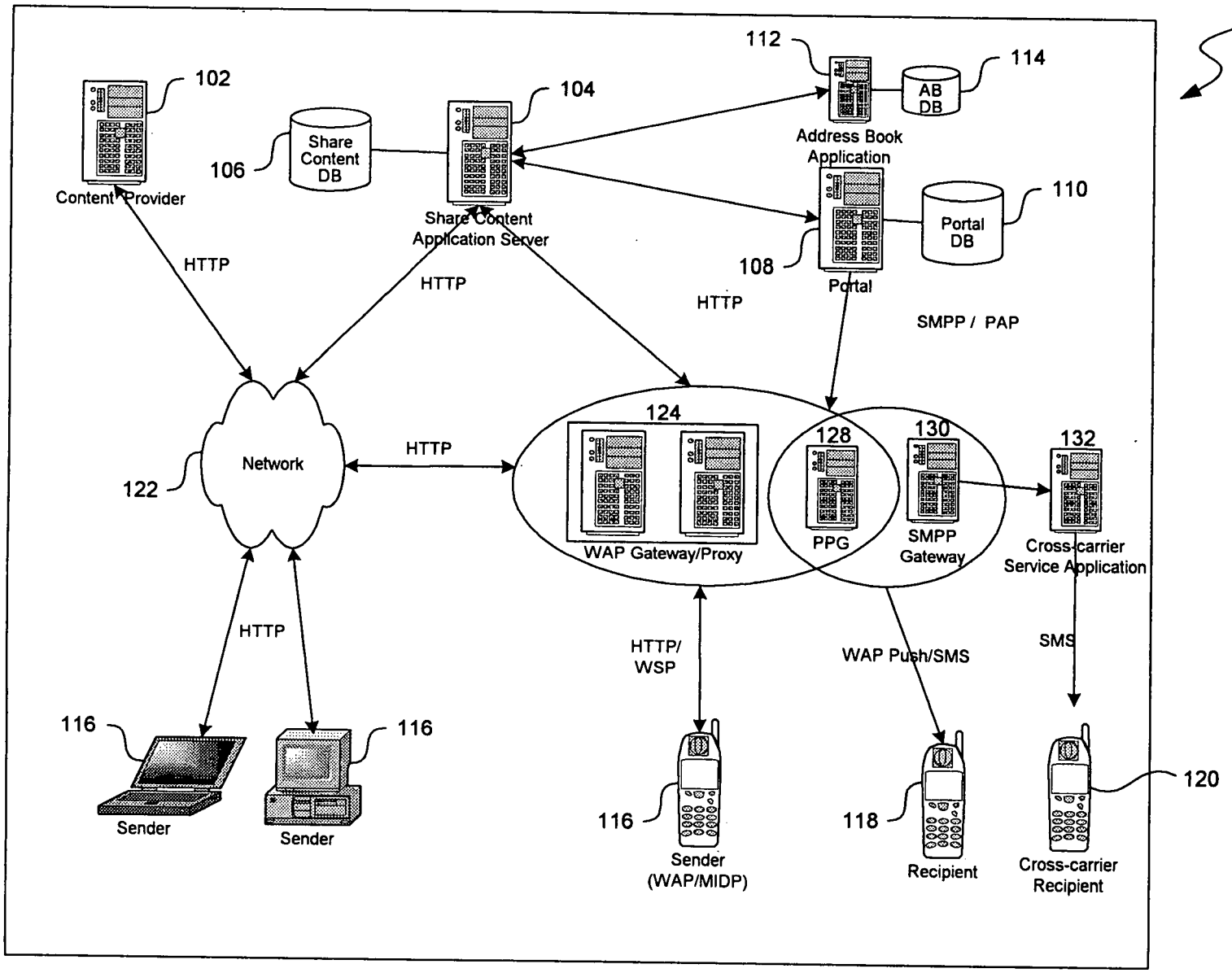

100
112
114
102
104
106
Share Content DB
AB DB
Address Book Application
Content Provider
Share Content Application Server
110
Portal DB
108
Portal
HTTP
HTTP
HTTP
SMPP / PAP
124
128
130
132
Network
122
HTTP
WAP Gateway/Proxy
PPG
SMPP Gateway
Cross-carrier Service Application
HTTP
HTTP/ WSP
WAP Push/SMS
SMS
116
116
116
118
120
Sender
Sender
Sender (WAP/MIDP)
Recipient
Cross-carrier Recipient

FIG. 1

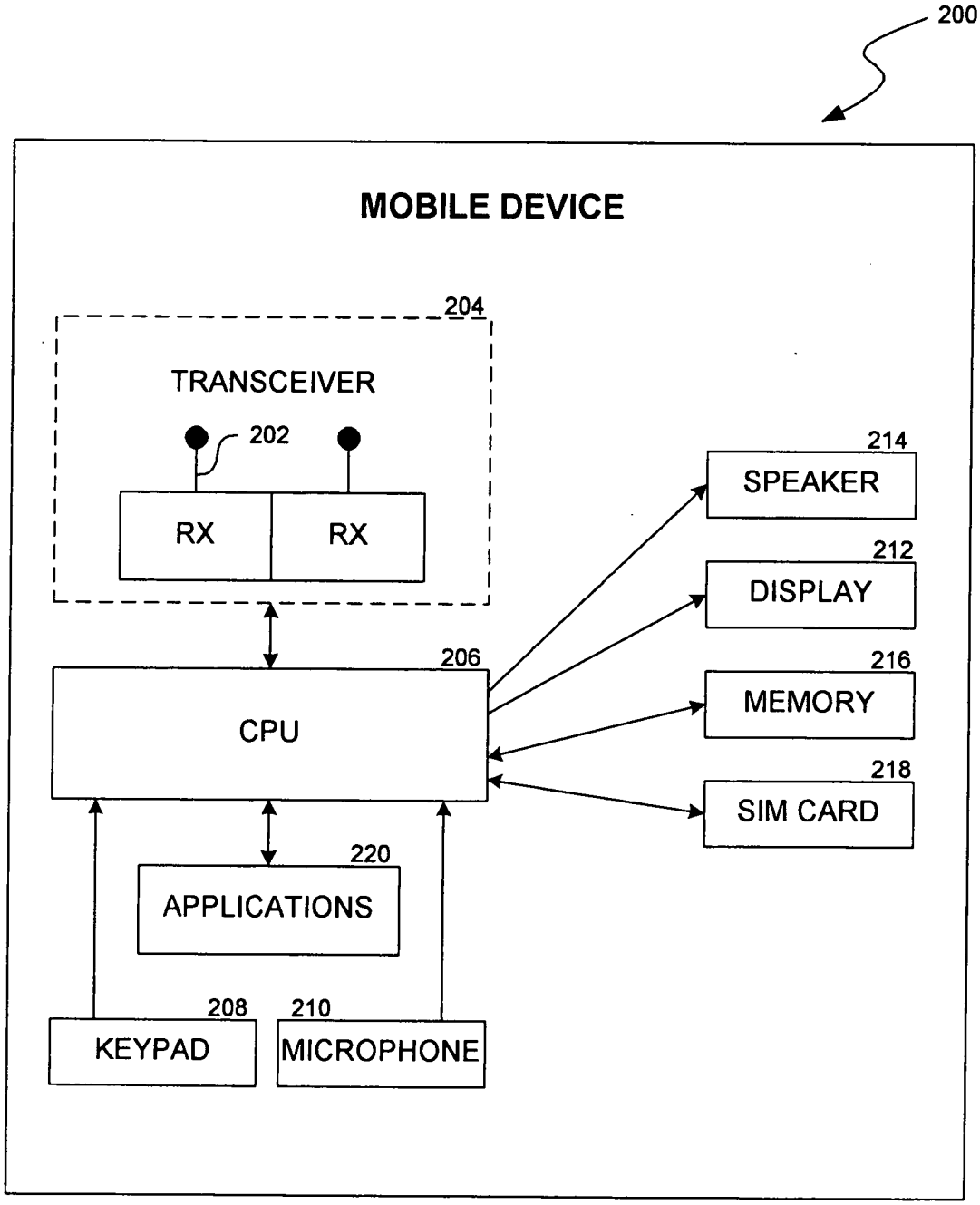

200
MOBILE DEVICE
204
TRANSCEIVER
202
RX
RX
214
SPEAKER
212
DISPLAY
216
MEMORY
218
SIM CARD
206
CPU
220
APPLICATIONS
208
KEYPAD
210
MICROPHONE

FIG. 2

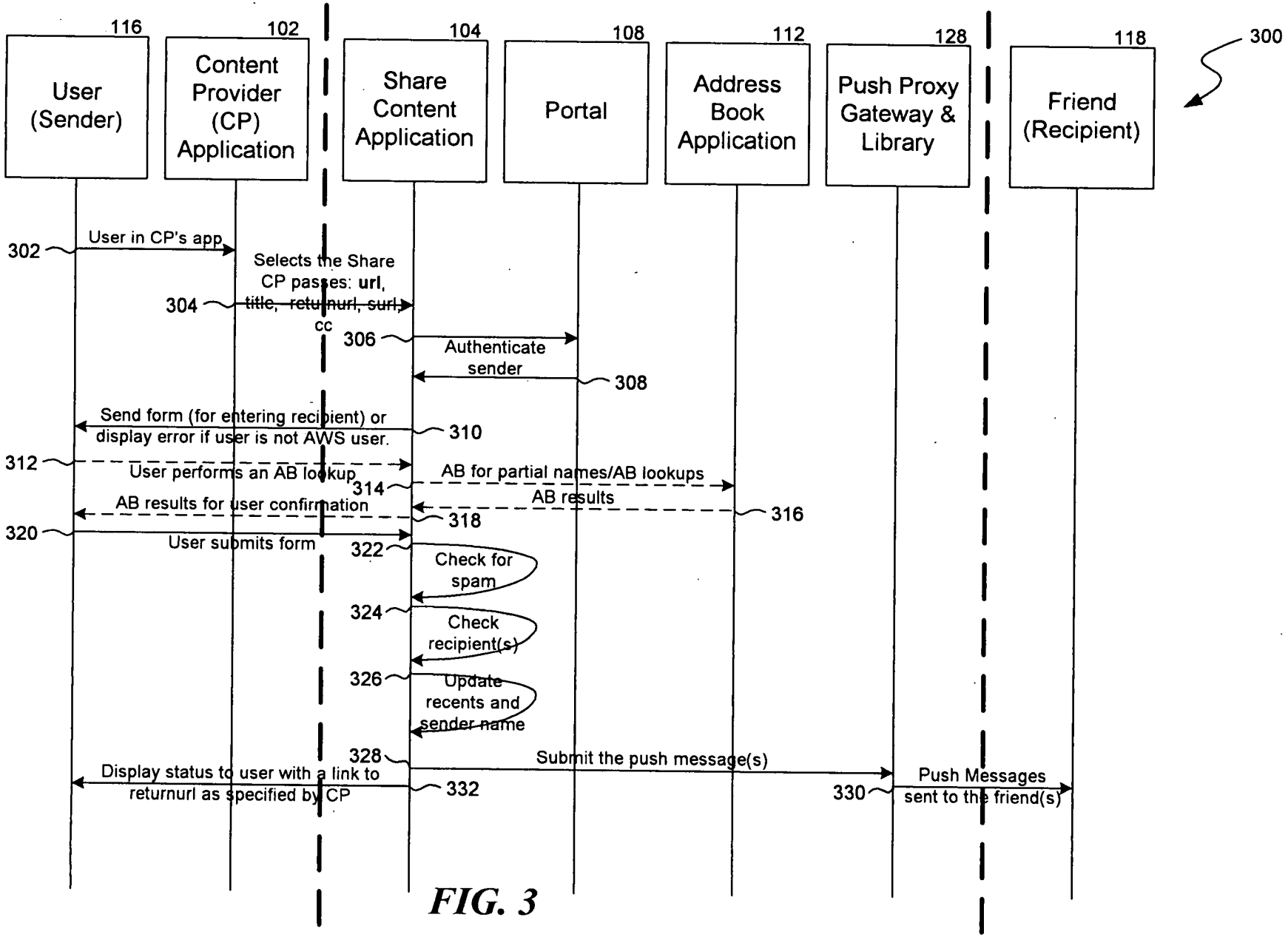

116
User (Sender)
102
Content Provider (CP) Application
104
Share Content Application
108
Portal
112
Address Book Application
128
Push Proxy Gateway & Library
118
Friend (Recipient)
300
302
User in CP's app
304
Selects the Share
CP passes: url, title, returnurl, surl, cc
306
Authenticate sender
308
310
Send form (for entering recipient) or display error if user is not AWS user.
312
User performs an AB lookup
314
AB for partial names/AB lookups
316
AB results
318
AB results for user confirmation
320
User submits form
322
Check for spam
324
Check recipient(s)
326
Update recents and sender name
328
Submit the push message(s)
330
Push Messages sent to the friend(s)
332
Display status to user with a link to returnurl as specified by CP

FIG. 3

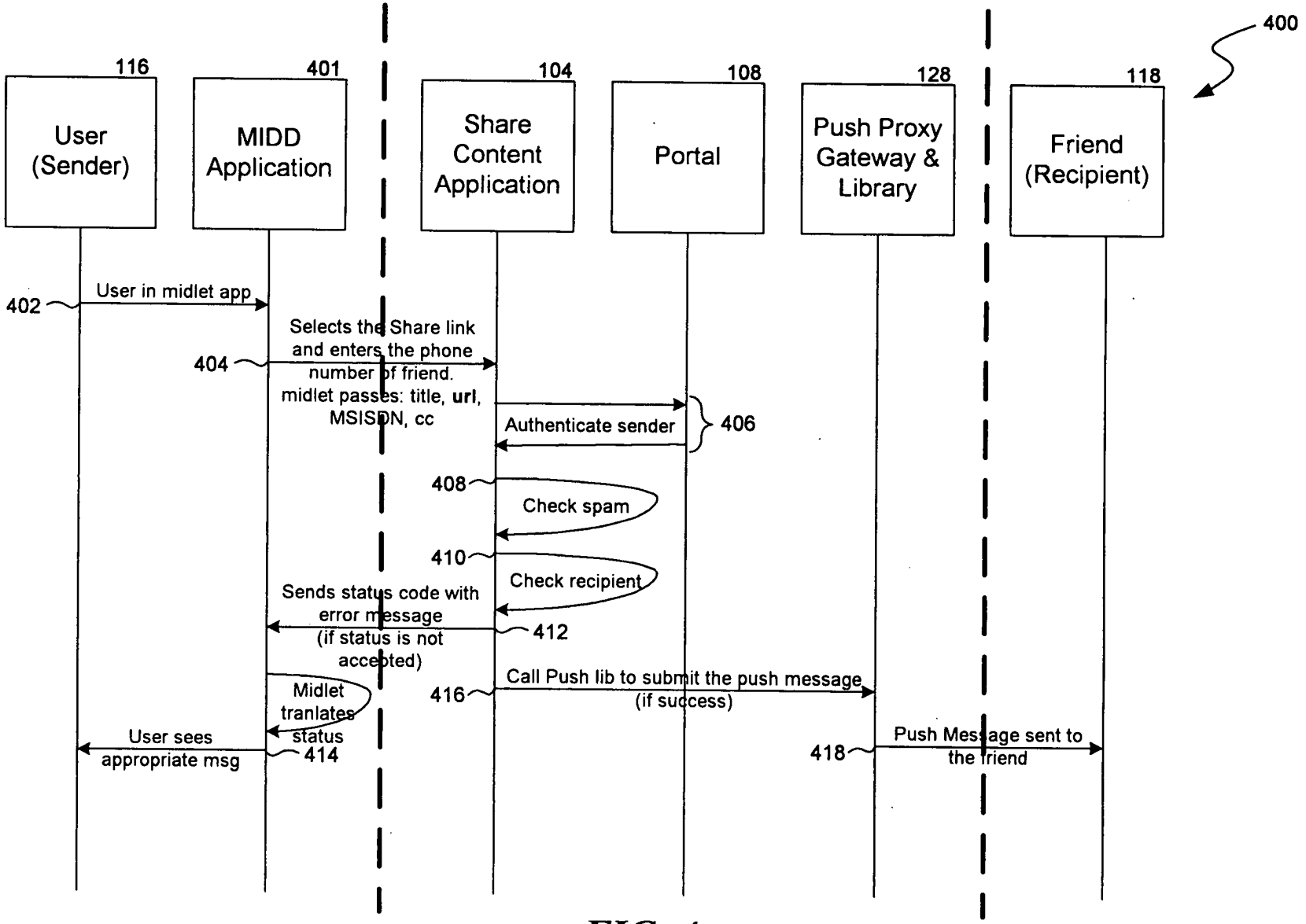

400
116
User (Sender)
401
MIDD Application
104
Share Content Application
108
Portal
128
Push Proxy Gateway & Library
118
Friend (Recipient)
402
User in midlet app
404
Selects the Share link and enters the phone number of friend. midlet passes: title, url, MSISDN, cc
Authenticate sender
406
408
Check spam
410
Check recipient
Sends status code with error message (if status is not accepted)
412
Midlet tranlates status
User sees appropriate msg
414
416
Call Push lib to submit the push message (if success)
418
Push Message sent to the friend

FIG. 4

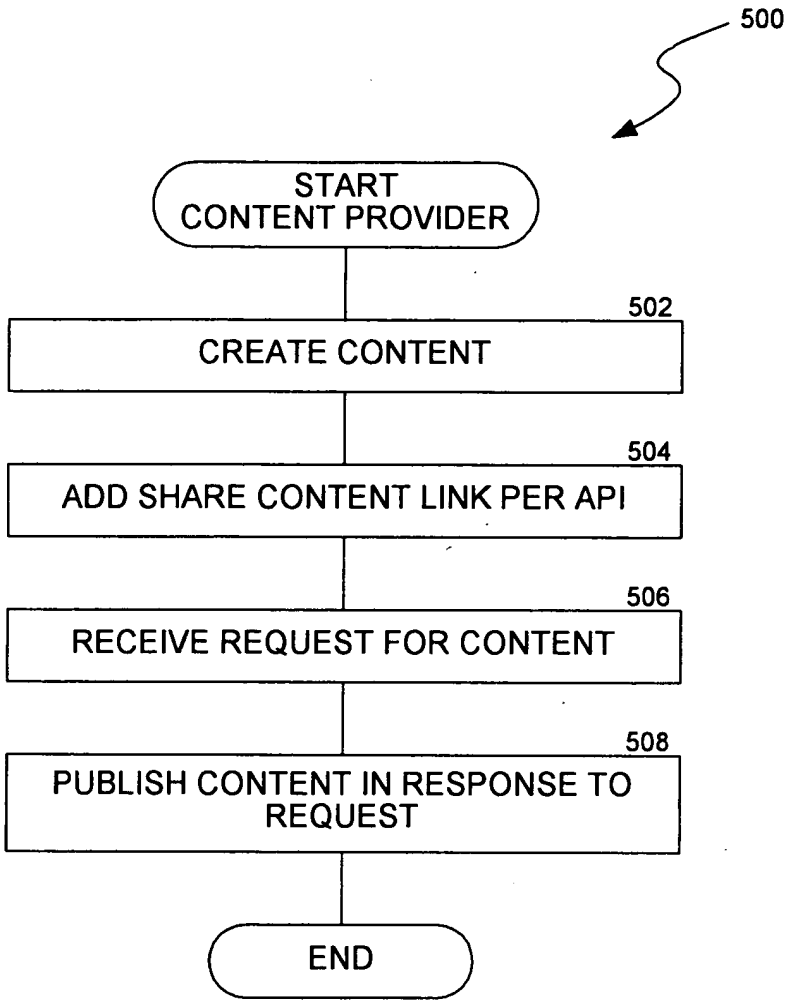

500
START CONTENT PROVIDER
502
CREATE CONTENT
504
ADD SHARE CONTENT LINK PER API
506
RECEIVE REQUEST FOR CONTENT
508
PUBLISH CONTENT IN RESPONSE TO REQUEST
END

FIG. 5

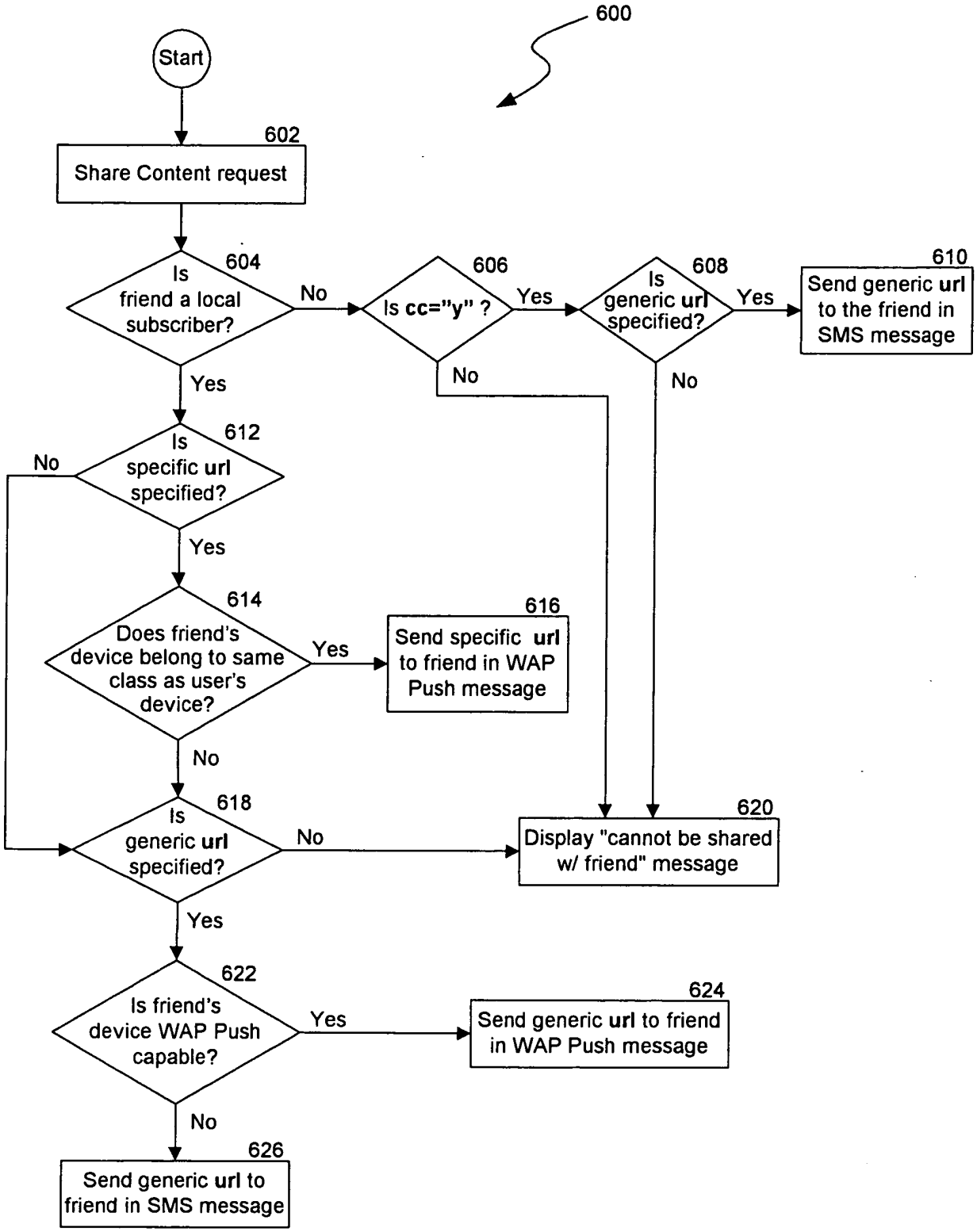

600
Start
602
Share Content request
604
Is friend a local subscriber?
No
606
Is cc="y" ?
Yes
608
Is generic url specified?
Yes
610
Send generic url to the friend in SMS message
No
No
Yes
612
Is specific url specified?
No
Yes
614
Does friend's device belong to same class as user's device?
Yes
616
Send specific url to friend in WAP Push message
No
618
Is generic url specified?
No
620
Display "cannot be shared w/ friend" message
Yes
622
Is friend's device WAP Push capable?
Yes
624
Send generic url to friend in WAP Push message
No
626
Send generic url to friend in SMS message

FIG. 6

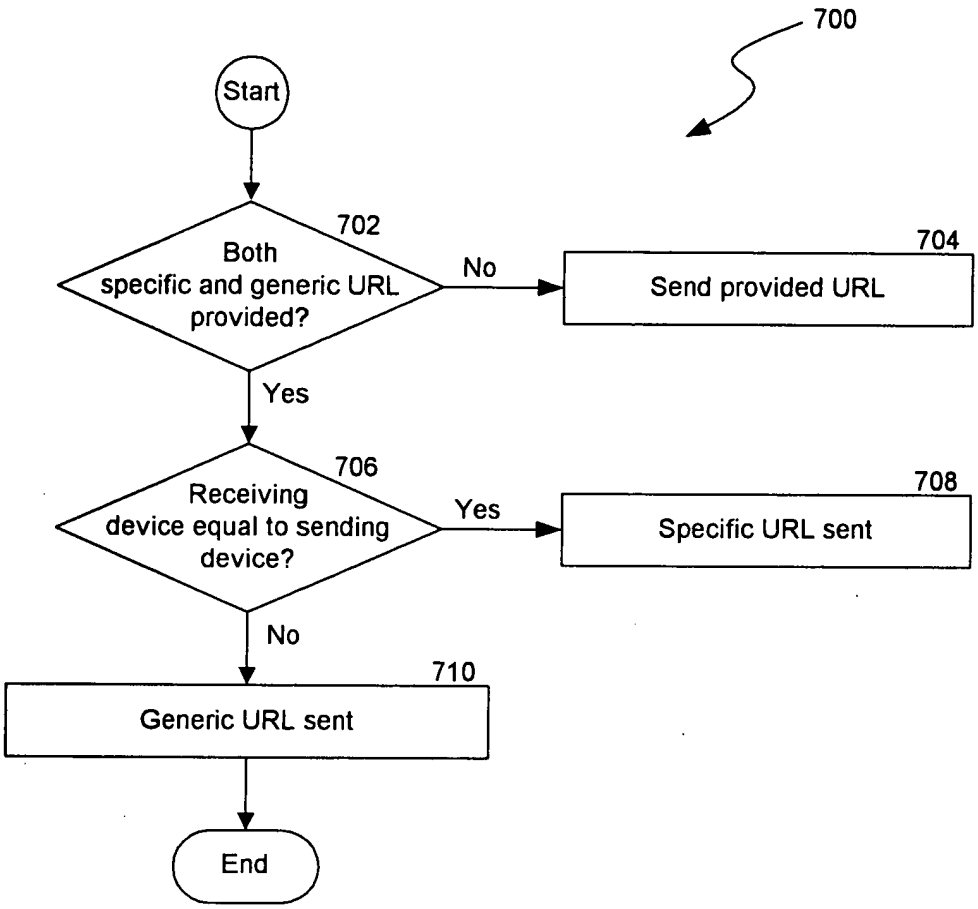

700
Start
702
Both specific and generic URL provided?
No
704
Send provided URL
Yes
706
Receiving device equal to sending device?
Yes
708
Specific URL sent
No
710
Generic URL sent
End

FIG. 7

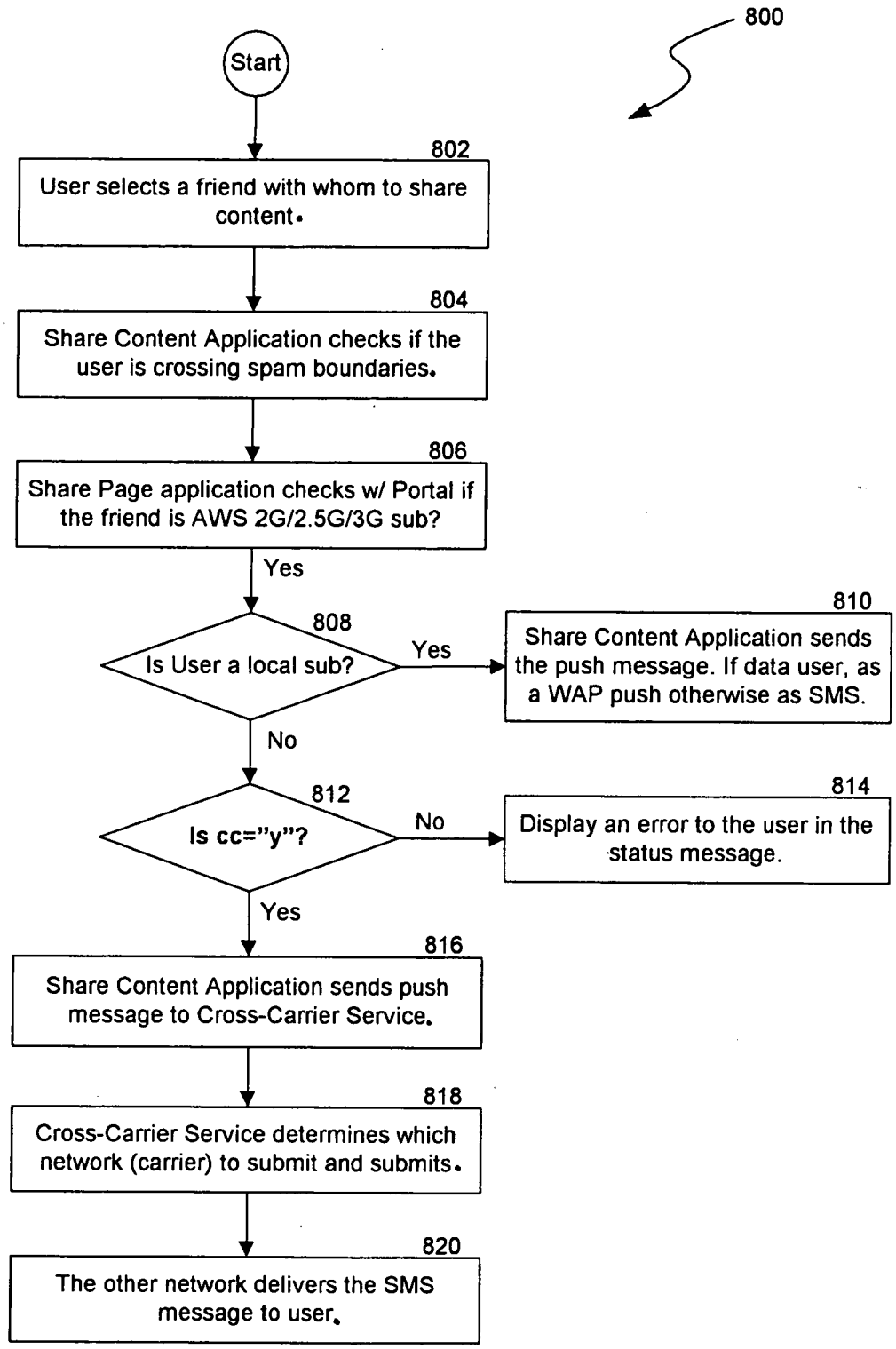

800
Start
802
User selects a friend with whom to share content.
804
Share Content Application checks if the user is crossing spam boundaries.
806
Share Page application checks w/ Portal if the friend is AWS 2G/2.5G/3G sub?
Yes
808
Is User a local sub?
Yes
810
Share Content Application sends the push message. If data user, as a WAP push otherwise as SMS.
No
812
Is cc="y"?
No
814
Display an error to the user in the status message.
Yes
816
Share Content Application sends push message to Cross-Carrier Service.
818
Cross-Carrier Service determines which network (carrier) to submit and submits.
820
The other network delivers the SMS message to user.

FIG. 8

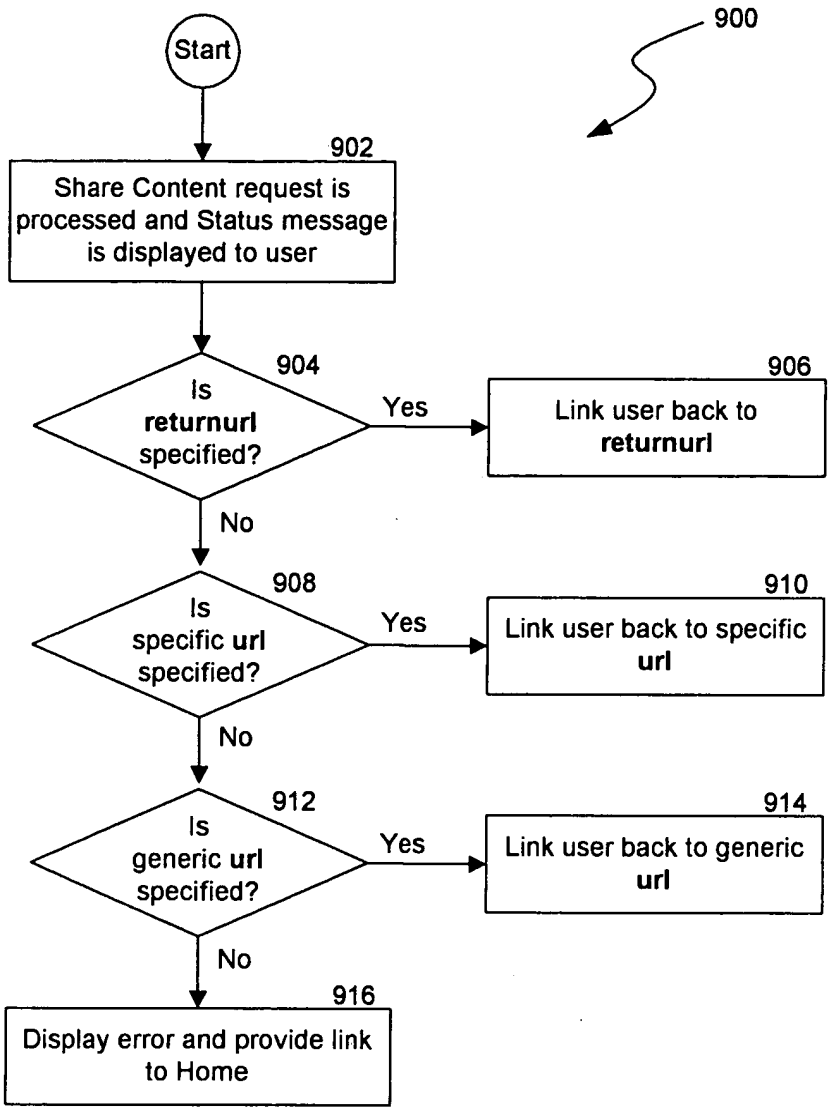
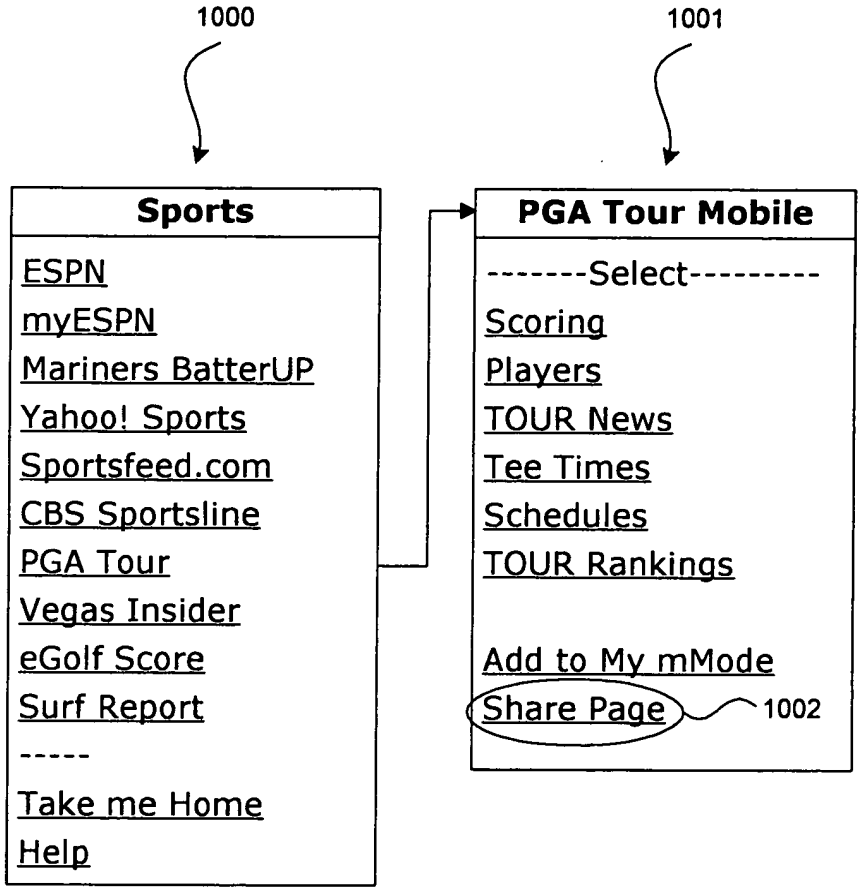

900
Start
902
Share Content request is processed and Status message is displayed to user
904
Is **returnurl** specified?
Yes
906
Link user back to **returnurl**
No
908
Is specific **url** specified?
Yes
910
Link user back to specific **url**
No
912
Is generic **url** specified?
Yes
914
Link user back to generic **url**
No
916
Display error and provide link to Home

FIG. 9


1000
1001
Sports
ESPN
myESPN
Mariners BatterUP
Yahoo! Sports
Sportsfeed.com
CBS Sportsline
PGA Tour
Vegas Insider
eGolf Score
Surf Report

Take me Home
Help
PGA Tour Mobile
-------Select---------
Scoring
Players
TOUR News
Tee Times
Schedules
TOUR Rankings
Add to My mMode
Share Page
1002

FIG. 10

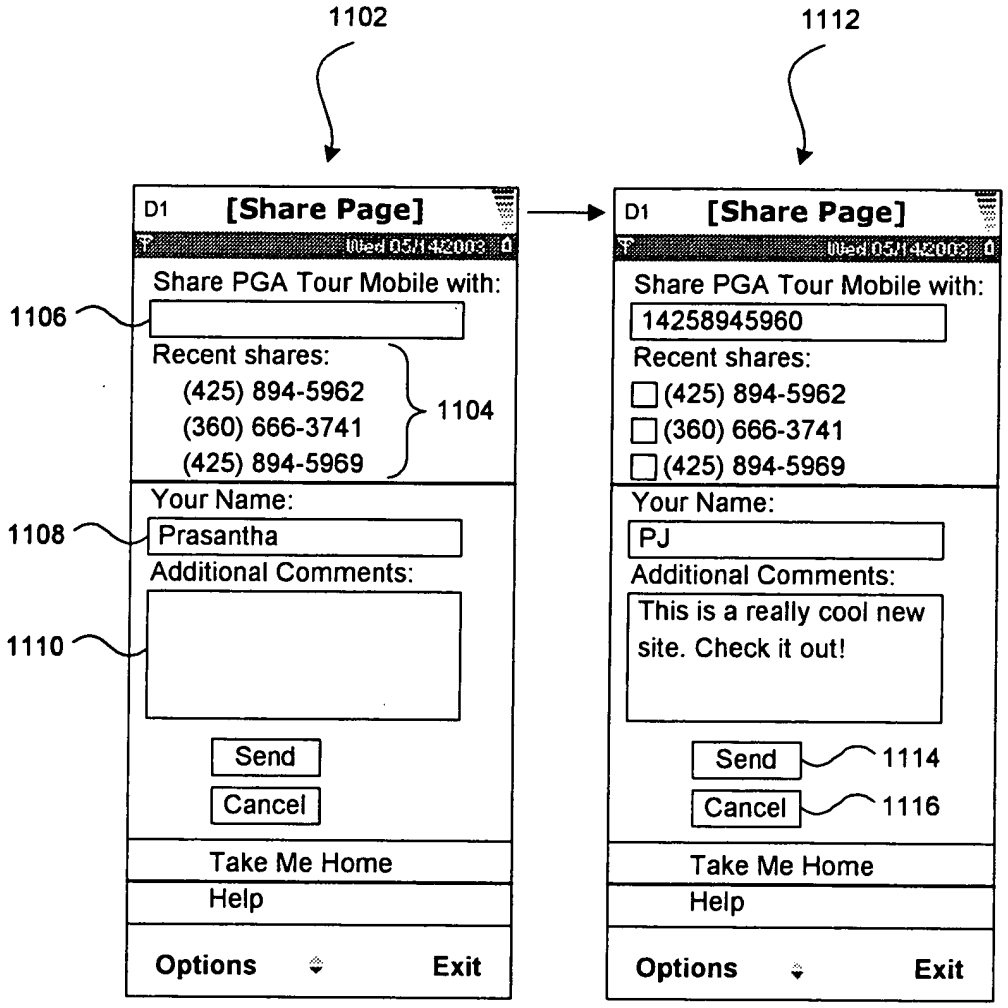

1102
1112
D1
[Share Page]
Share PGA Tour Mobile with:
1106
Recent shares:
(425) 894-5962
(360) 666-3741
(425) 894-5969
1104
Your Name:
1108
Prasantha
Additional Comments:
1110
Send
Cancel
Take Me Home
Help
Options
Exit
D1
[Share Page]
Share PGA Tour Mobile with:
14258945960
Recent shares:
(425) 894-5962
(360) 666-3741
(425) 894-5969
Your Name:
PJ
Additional Comments:
This is a really cool new site. Check it out!
Send
1114
Cancel
1116
Take Me Home
Help
Options
Exit

FIG. 11

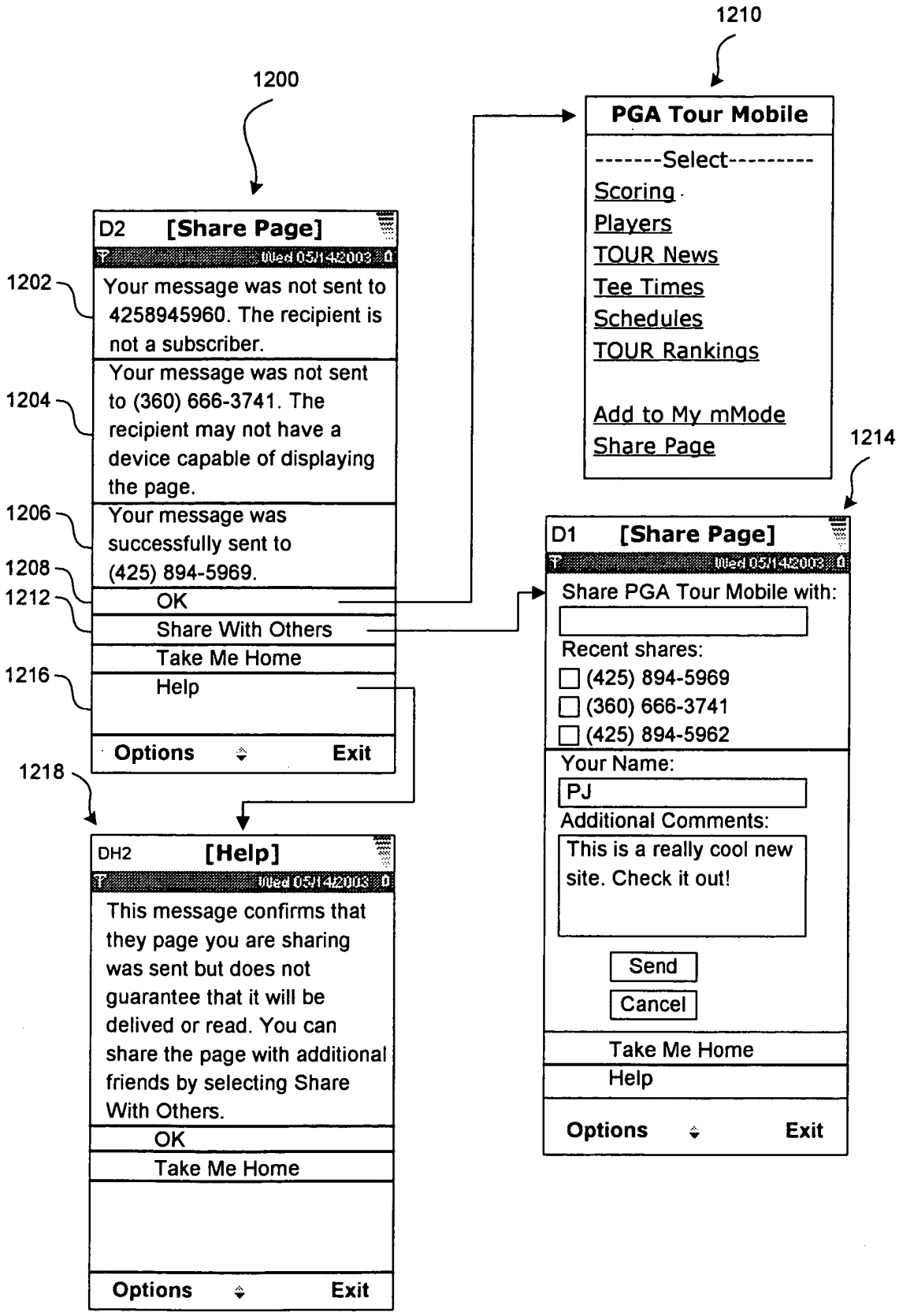

1200
1210
PGA Tour Mobile
-------Select---------
Scoring
Players
TOUR News
Tee Times
Schedules
TOUR Rankings
Add to My mMode
Share Page
1214
D2 [Share Page]
1202
Your message was not sent to 4258945960. The recipient is not a subscriber.
1204
Your message was not sent to (360) 666-3741. The recipient may not have a device capable of displaying the page.
1206
Your message was successfully sent to (425) 894-5969.
1208
1212
OK
Share With Others
Take Me Home
1216
Help
Options
Exit
1218
D1 [Share Page]
Share PGA Tour Mobile with:
Recent shares:
(425) 894-5969
(360) 666-3741
(425) 894-5962
Your Name:
PJ
Additional Comments:
This is a really cool new site. Check it out!
Send
Cancel
Take Me Home
Help
Options
Exit
DH2 [Help]
This message confirms that they page you are sharing was sent but does not guarantee that it will be delived or read. You can share the page with additional friends by selecting Share With Others.
OK
Take Me Home
Options
Exit

FIG. 12

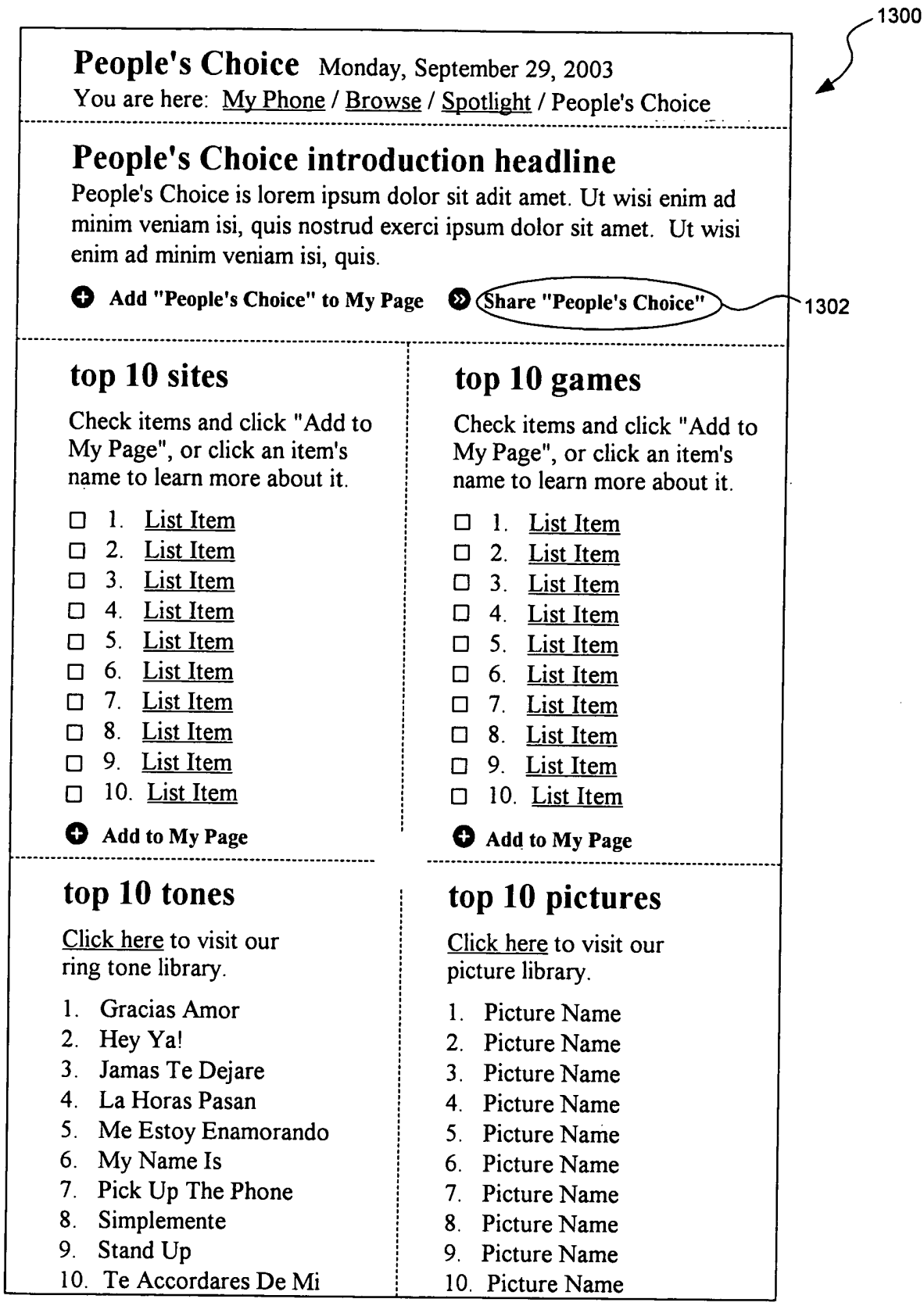

1300
People's Choice Monday, September 29, 2003
You are here: My Phone / Browse / Spotlight / People's Choice
People's Choice introduction headline
People's Choice is lorem ipsum dolor sit adit amet. Ut wisi enim ad minim veniam isi, quis nostrud exerci ipsum dolor sit amet. Ut wisi enim ad minim veniam isi, quis.
Add "People's Choice" to My Page
Share "People's Choice"
1302
top 10 sites
Check items and click "Add to My Page", or click an item's name to learn more about it.
1. List Item
2. List Item
3. List Item
4. List Item
5. List Item
6. List Item
7. List Item
8. List Item
9. List Item
10. List Item
Add to My Page
top 10 games
Check items and click "Add to My Page", or click an item's name to learn more about it.
1. List Item
2. List Item
3. List Item
4. List Item
5. List Item
6. List Item
7. List Item
8. List Item
9. List Item
10. List Item
Add to My Page
top 10 tones
Click here to visit our ring tone library.
1. Gracias Amor
2. Hey Ya!
3. Jamas Te Dejare
4. La Horas Pasan
5. Me Estoy Enamorando
6. My Name Is
7. Pick Up The Phone
8. Simplemente
9. Stand Up
10. Te Accordares De Mi
top 10 pictures
Click here to visit our picture library.
1. Picture Name
2. Picture Name
3. Picture Name
4. Picture Name
5. Picture Name
6. Picture Name
7. Picture Name
8. Picture Name
9. Picture Name
10. Picture Name

FIG. 13

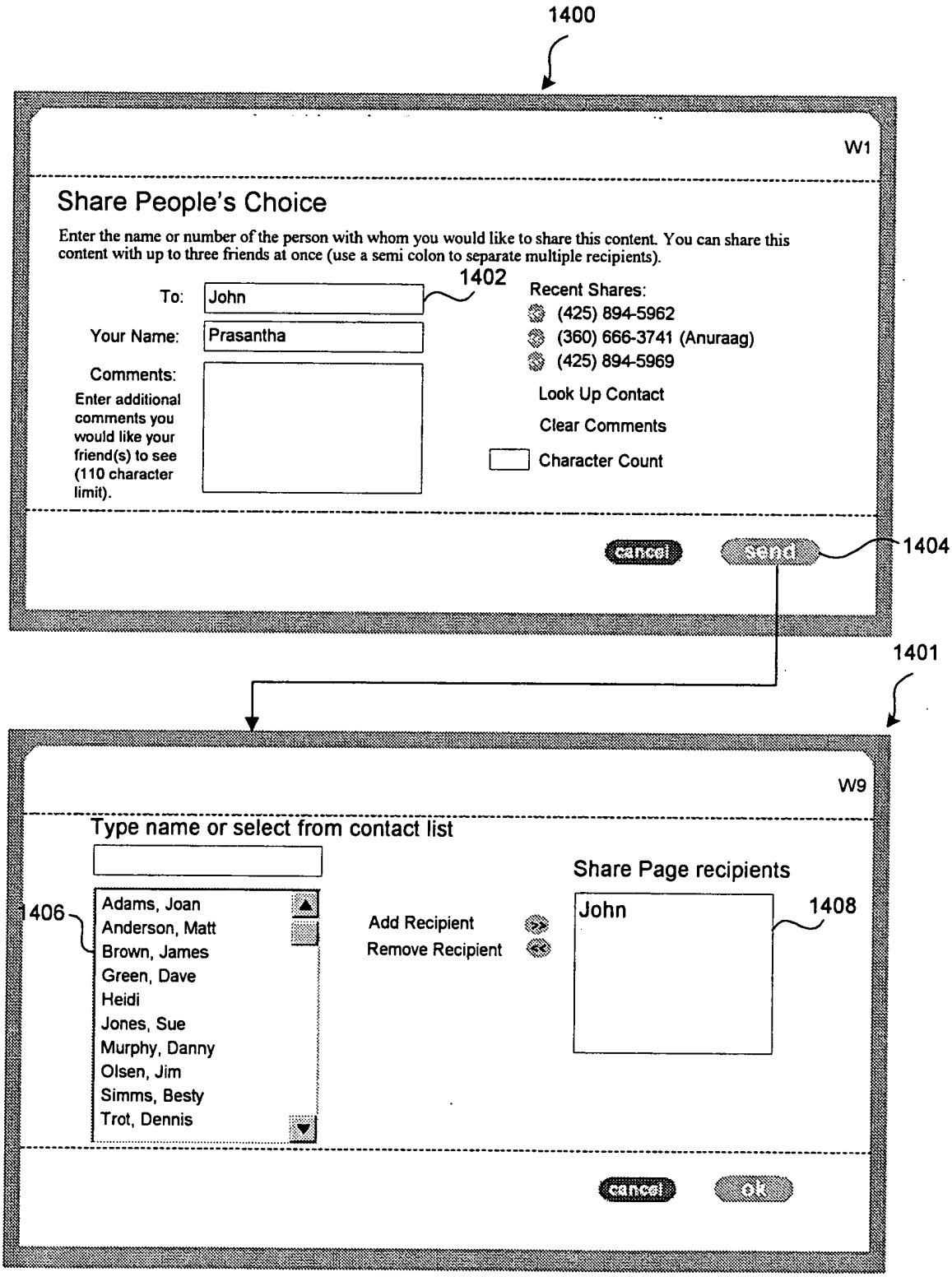

1400
W1
Share People's Choice
Enter the name or number of the person with whom you would like to share this content. You can share this content with up to three friends at once (use a semi colon to separate multiple recipients).
To:
John
1402
Your Name:
Prasantha
Comments:
Enter additional comments you would like your friend(s) to see (110 character limit).
Recent Shares:
(425) 894-5962
(360) 666-3741 (Anuraag)
(425) 894-5969
Look Up Contact
Clear Comments
Character Count
cancel
send
1404
1401
W9
Type name or select from contact list
1406
Adams, Joan
Anderson, Matt
Brown, James
Green, Dave
Heidi
Jones, Sue
Murphy, Danny
Olsen, Jim
Simms, Besty
Trot, Dennis
Add Recipient
Remove Recipient
Share Page recipients
John
1408
cancel
ok

FIG. 14